

Monthly infectious disease summary report

December 2008



Reportable diseases list: <http://doh.sd.gov/Disease/Report.aspx>

1 January – 30 December 2008

Provisional data

South Dakota infectious disease summary 2008

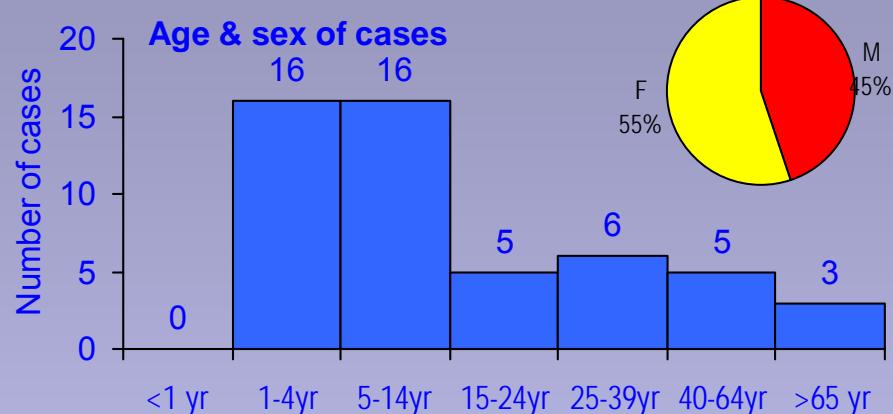
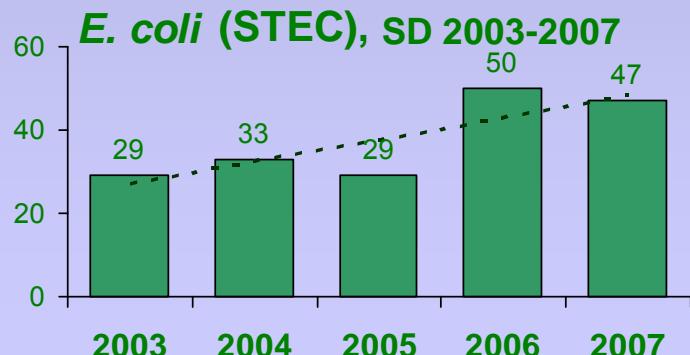
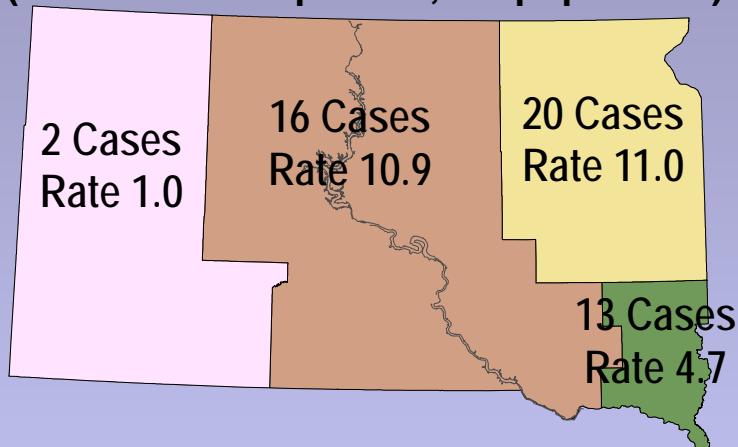
Diseases/Agent	Cases year-to-date	Rate (cases per 100,000 population)	5-yr median cases	Percent change
Campylobacter	258	32.4	231	+12%
Chlamydia	2949	370.4	2620	+13%
Cryptosporidiosis	85	10.7	48	+77%
E. coli, shiga toxin-producing	51	6.4	35	+46%
Giardiasis	130	16.3	98	+33%
Gonorrhea	371	46.6	304	+22%
HIV AIDS	34	4.3	25	+36%
MRSA	71	8.9	49	+45%
Pertussis	62	7.8	61	+2%
Rabies, animal	24	NA	68	-65%
Salmonella	151	19.0	154	-2%
Shigellosis	76	9.5	116	-34%
Strep A, invasive	23	2.9	21	+10%
Strep B, invasive	22	2.8	15	+47%
Tuberculosis	16	2.0	14	+14%
West Nile	39	4.9	208	-81%

1 January – 30 December 2008

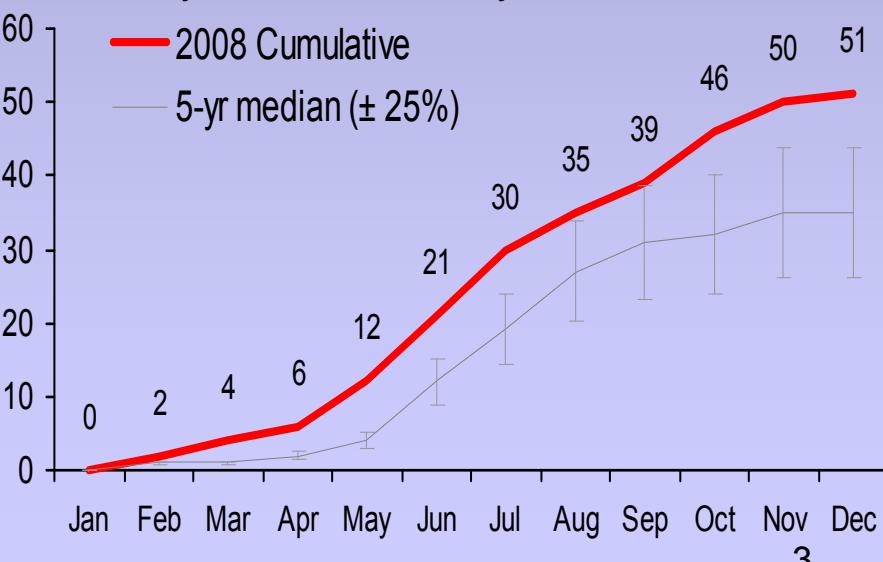
Provisional data

E. coli, shiga toxin-producing, South Dakota

**E. coli, Shiga toxin-producing
South Dakota 51 Cases
(Rate 6.4 cases per 100,000 population)**



Cases by month, 2008 and 5-year median

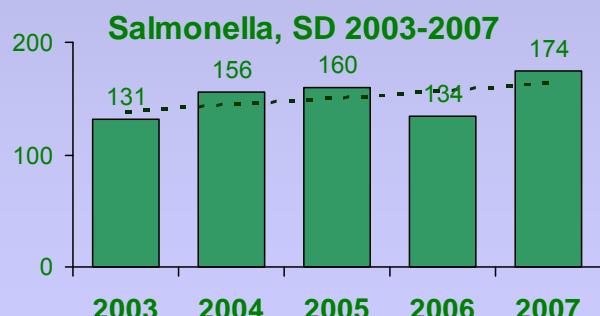
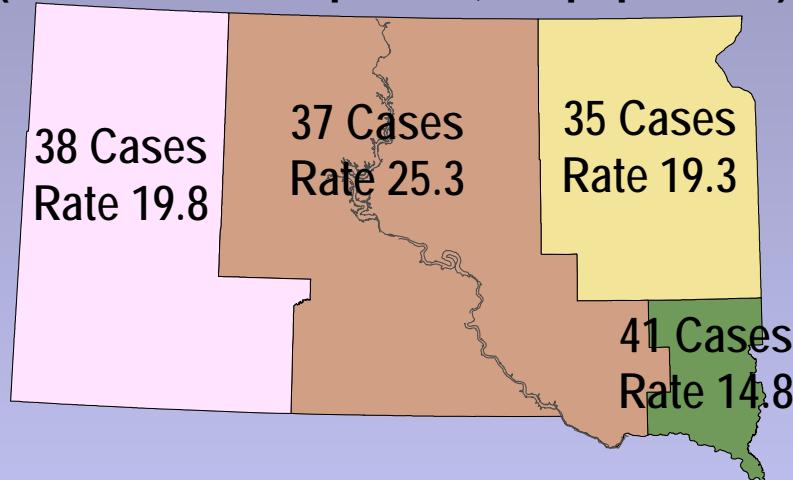


1 January – 30 December 2008

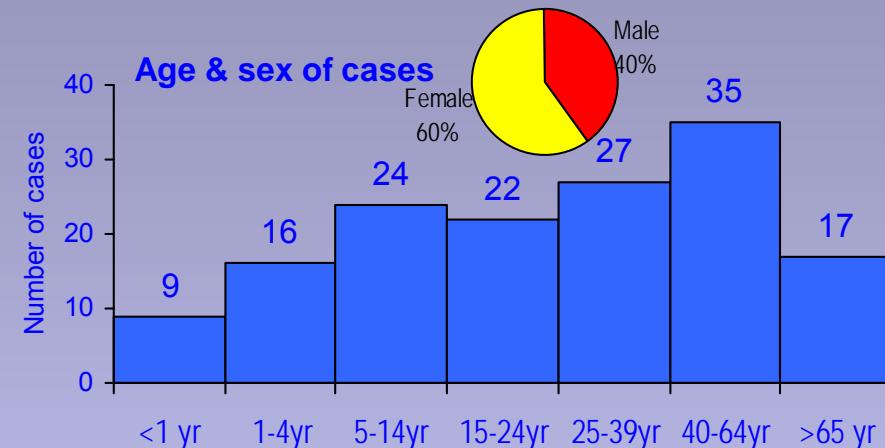
Provisional data

Salmonellosis, South Dakota

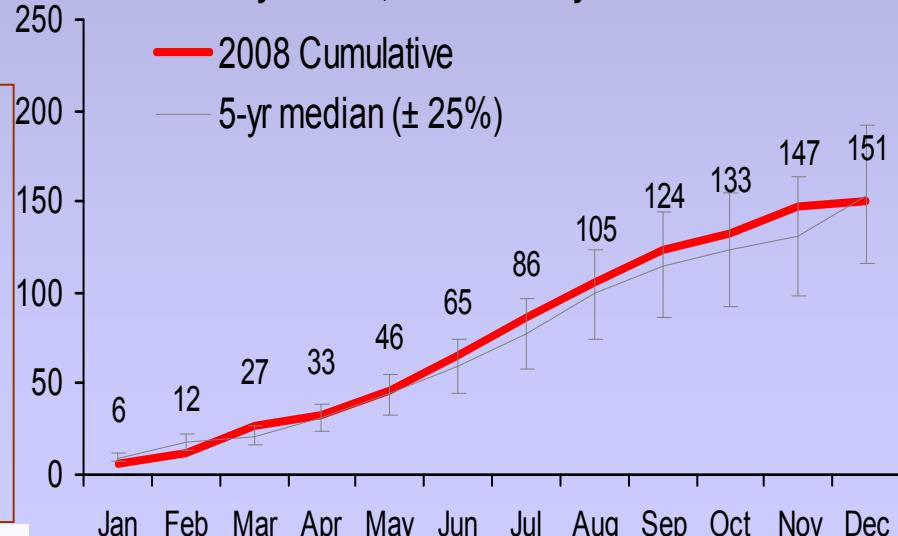
**Salmonellosis
South Dakota 151 Cases
(Rate 19.0 cases per 100,000 population)**



Serotype (number)
S. Agona 3
S. Berta 6
S. Enteritidis 26
S. Heidelberg 9
S. Infantis 3
S. Montevideo 6
S. Muenchen 3
S. Newport 9
S. Orangienburg 3
S. Saintpaul 3
S. Typhimurium 37
All other serotypes <3



Cases by month, 2008 and 5-year median



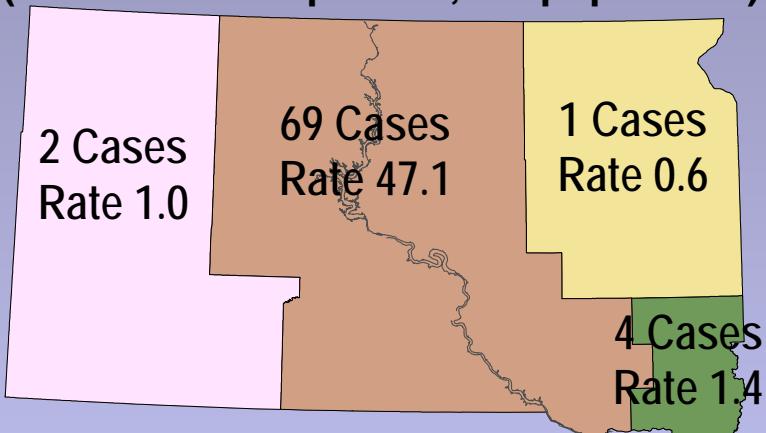
Salmonella fact sheet: <http://doh.sd.gov/diseasefacts>

1 January – 30 December 2008

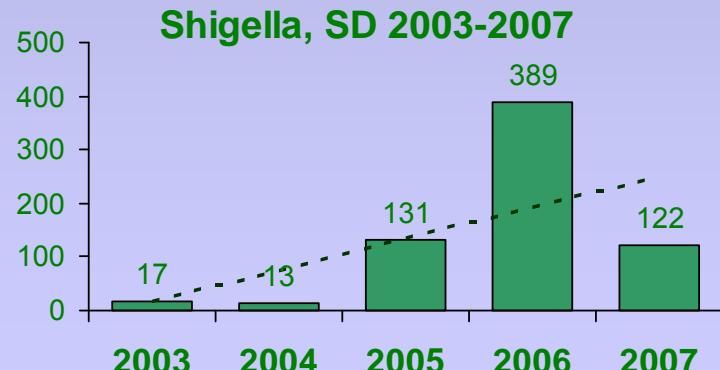
Provisional data

Shigellosis, South Dakota

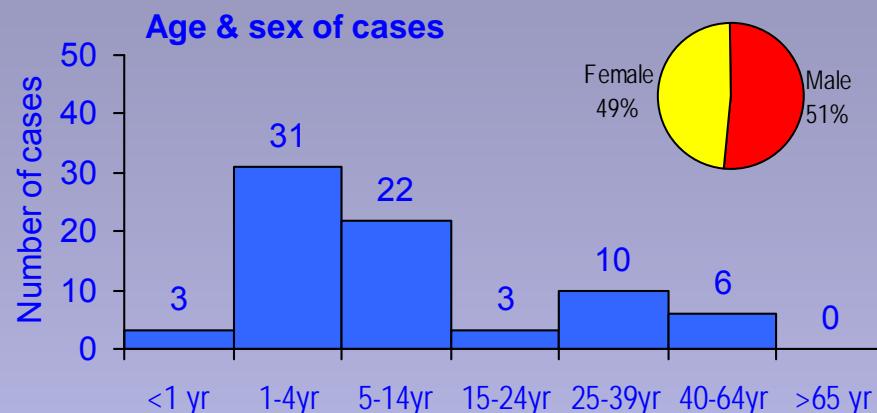
Shigellosis
South Dakota 76 Cases
(Rate 9.5 cases per 100,000 population)



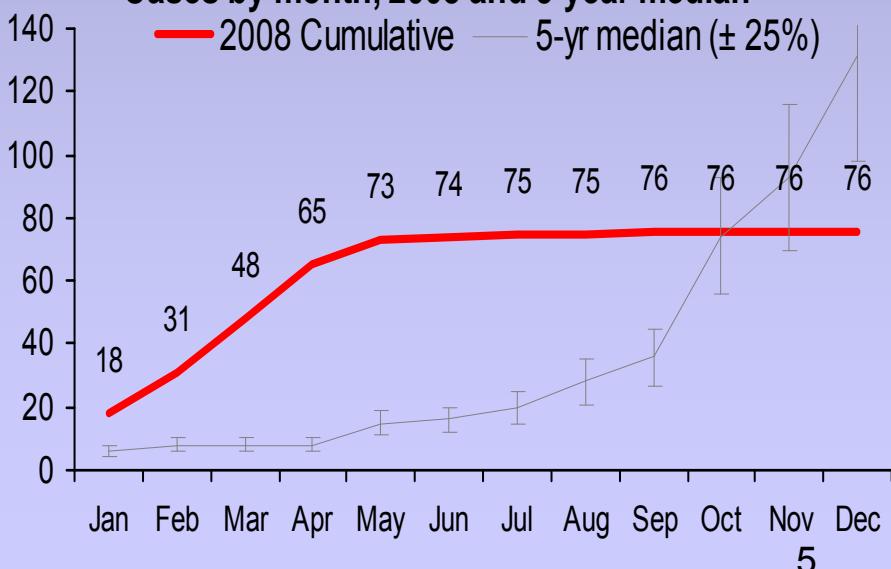
Shigella sonnei 97%, *Shigella flexneri* 3%



Shigella fact sheet: <http://doh.sd.gov/diseasefacts>



Cases by month, 2008 and 5-year median

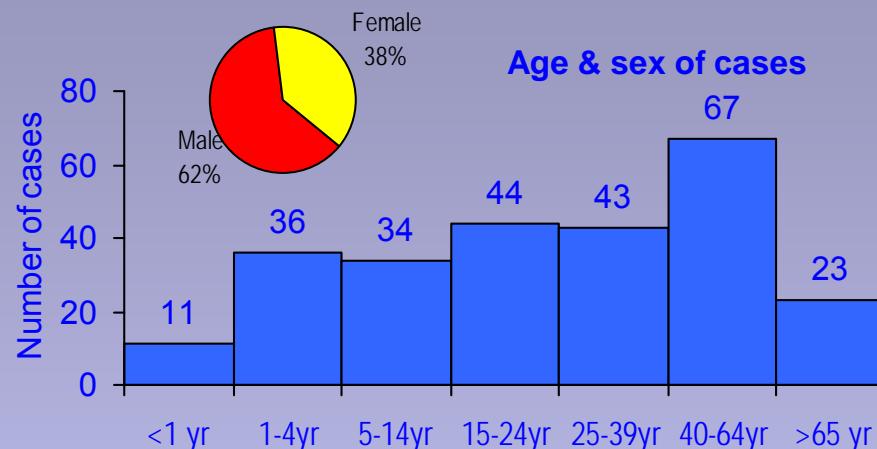
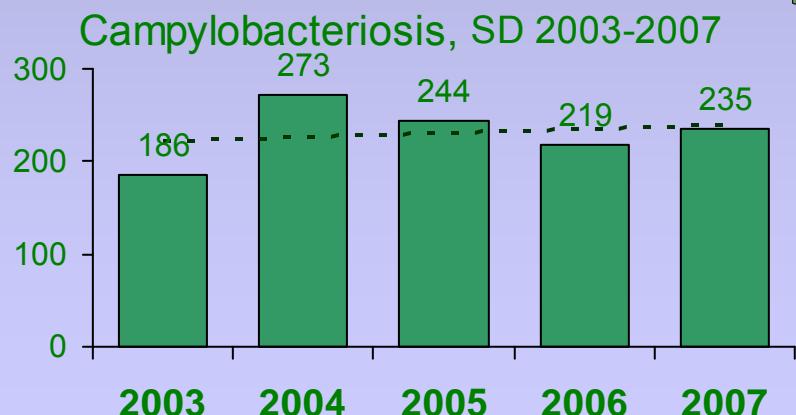
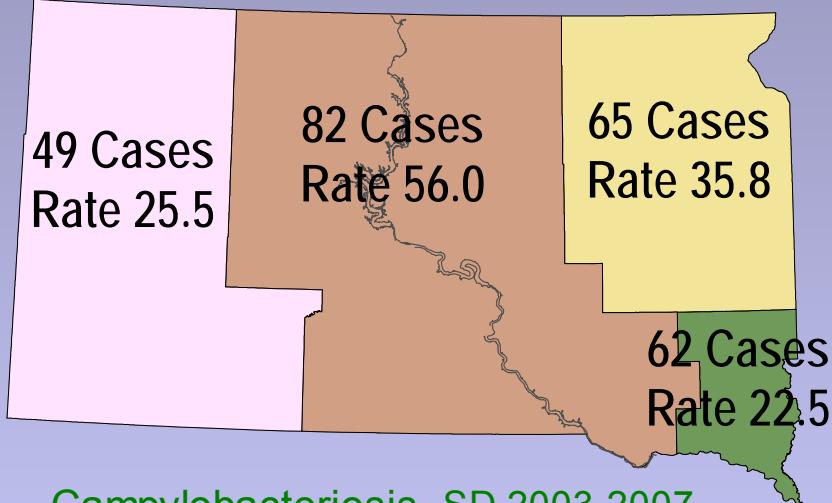


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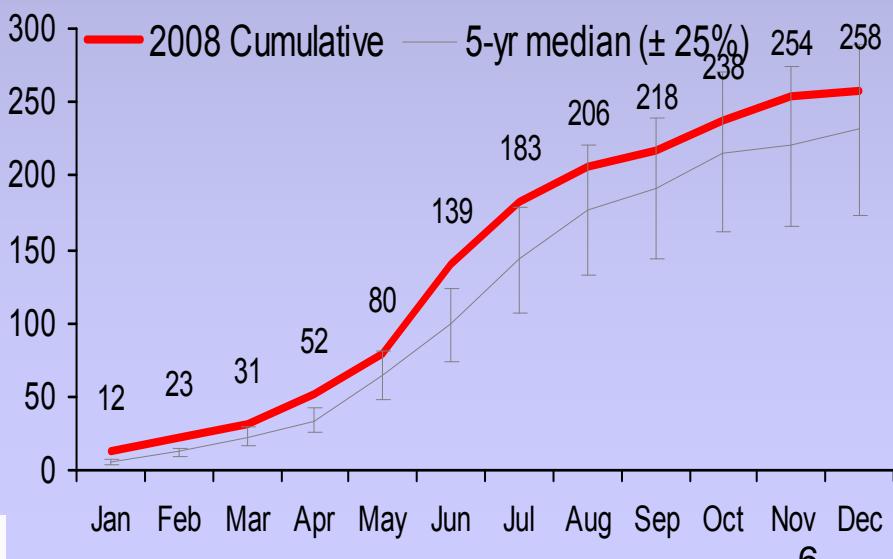
Provisional data

Campylobacteriosis, South Dakota

Campylobacter
South Dakota 258 Cases
(Rate 5.9 cases per 100,000 population)



Cases by month, 2008 and 5-year median



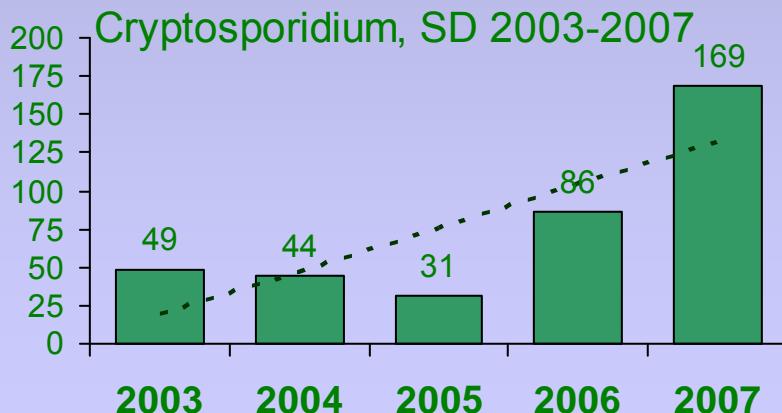
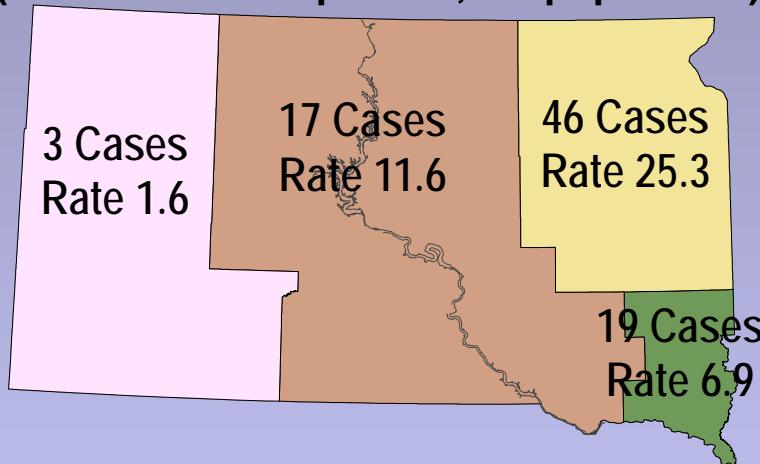
Campylobacter fact sheet: <http://doh.sd.gov/diseasefacts>

1 January – 30 December 2008

Provisional data

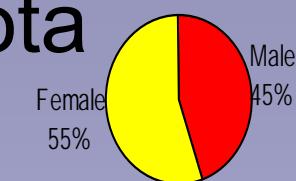
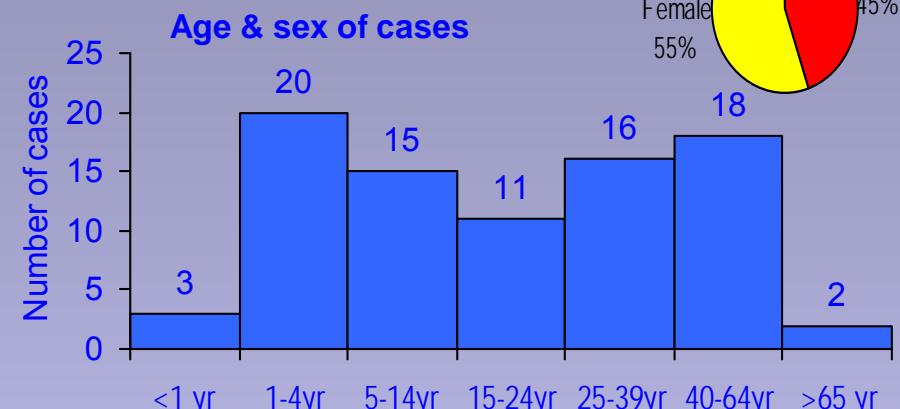
Cryptosporidiosis, South Dakota

Cryptosporidiosis
South Dakota 85 Cases
(Rate 10.7 cases per 100,000 population)

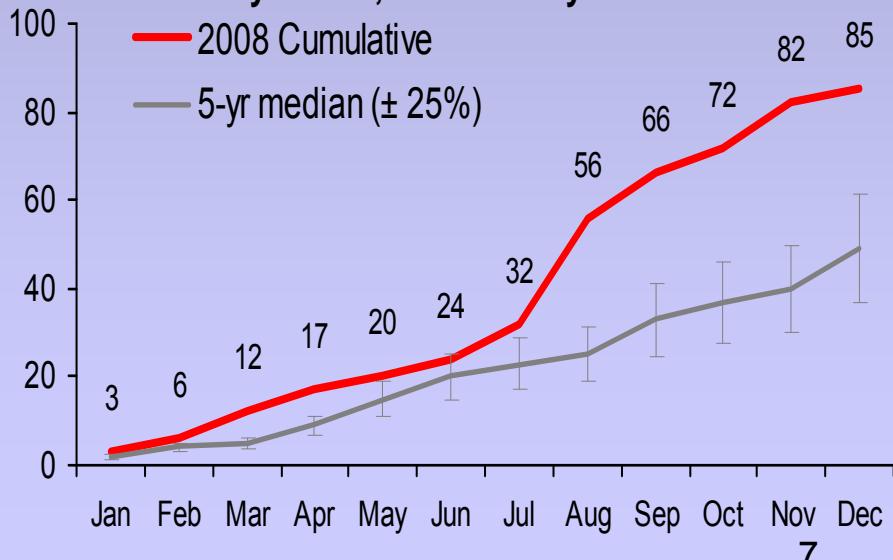


Cryptosporidiosis fact sheet:
<http://doh.sd.gov/diseasefacts>

Age & sex of cases



Cases by month, 2008 and 5-year median

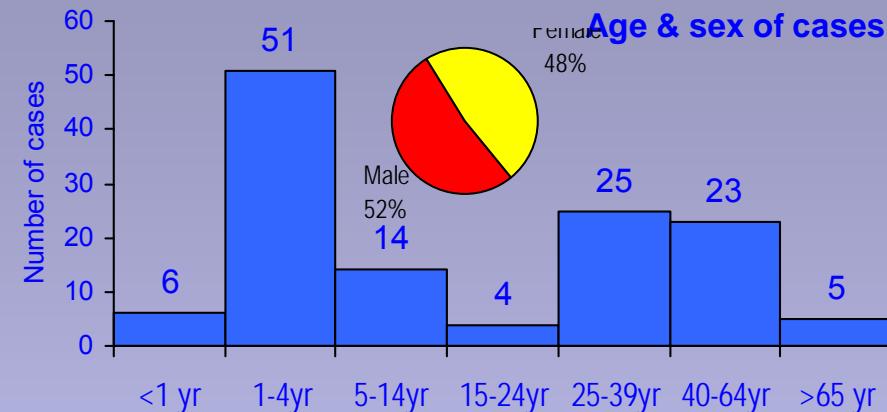
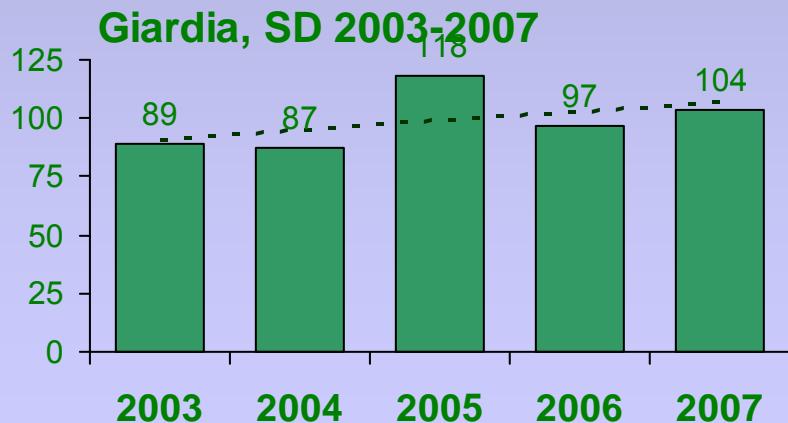
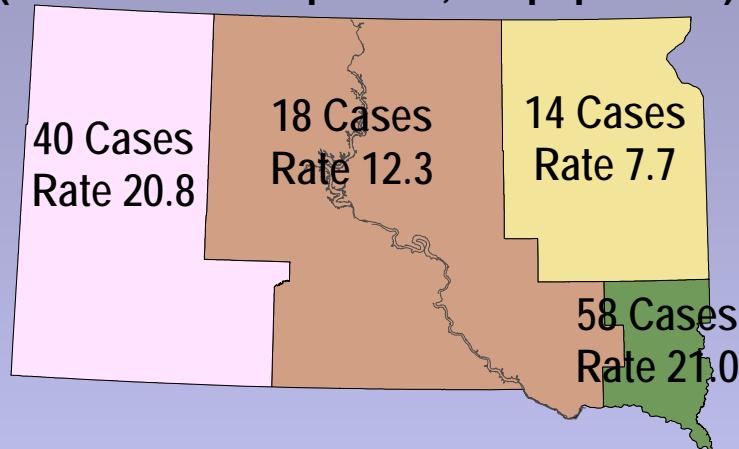


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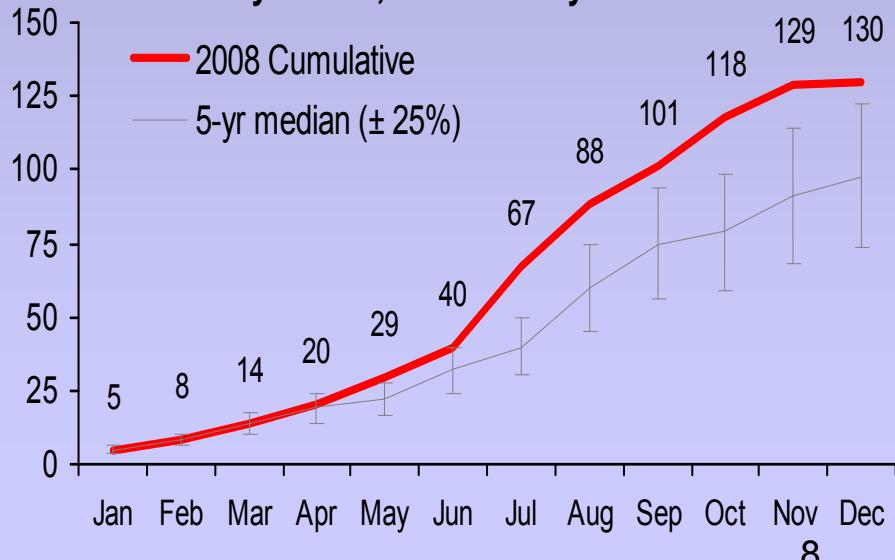
Provisional data

Giardiasis, South Dakota

Giardiasis
South Dakota 130 Cases
(Rate 16.3 cases per 100,000 population)



Cases by month, 2008 and 5-year median



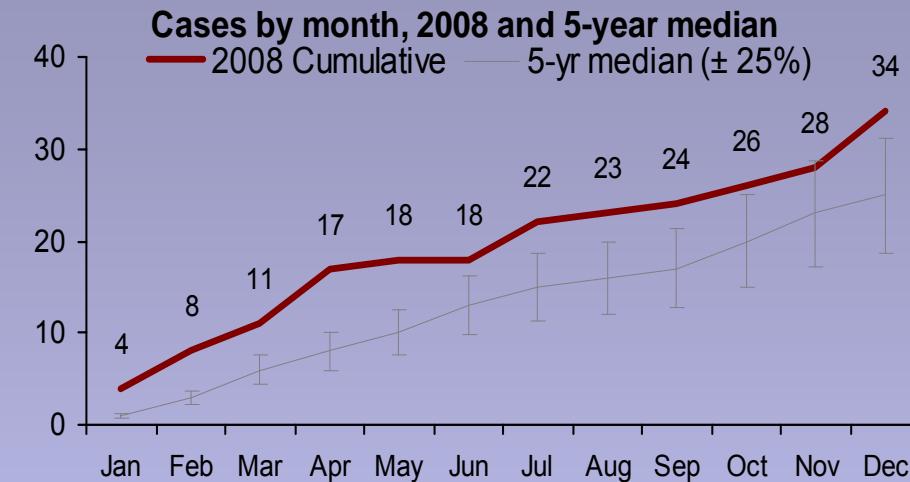
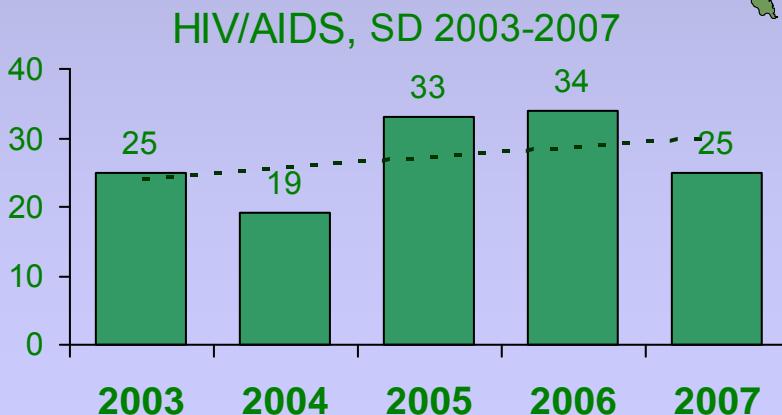
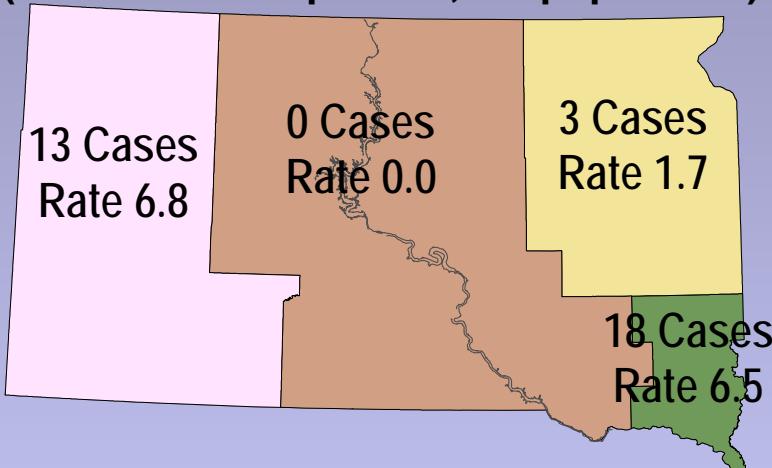
Giardia fact sheet: <http://doh.sd.gov/diseasefacts>

1 January – 30 December 2008

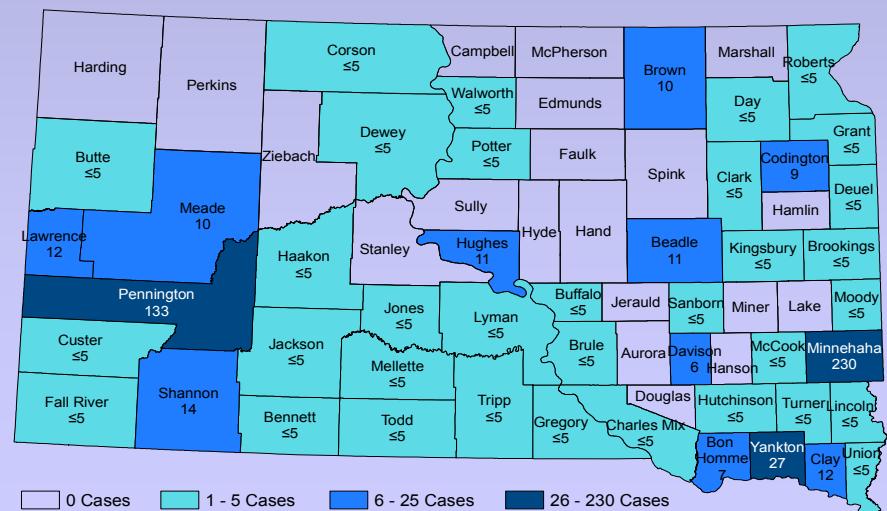
Provisional data

HIV/AIDS, South Dakota

HIV / AIDS
South Dakota 34 Cases
 (Rate 4.3 cases per 100,000 population)



**South Dakota Residents Reported Infected with HIV/AIDS:
 Cumulative Cases by County, 1985 - 2008**

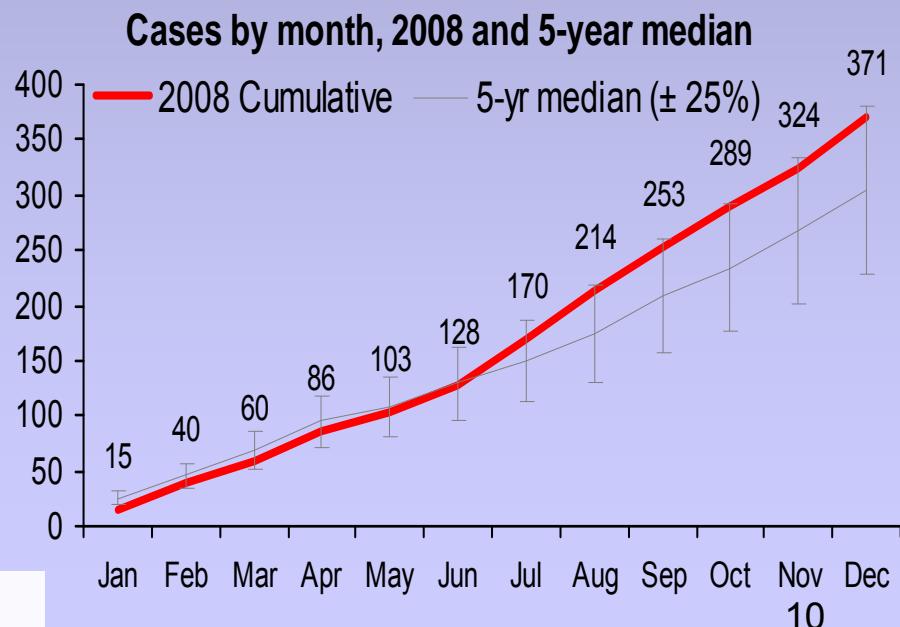
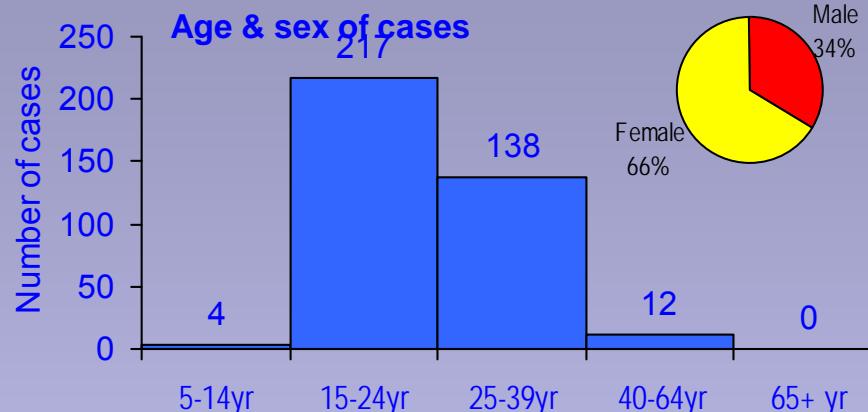
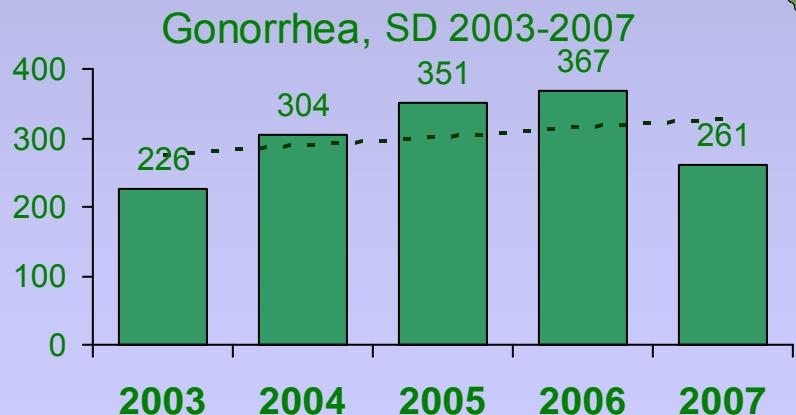
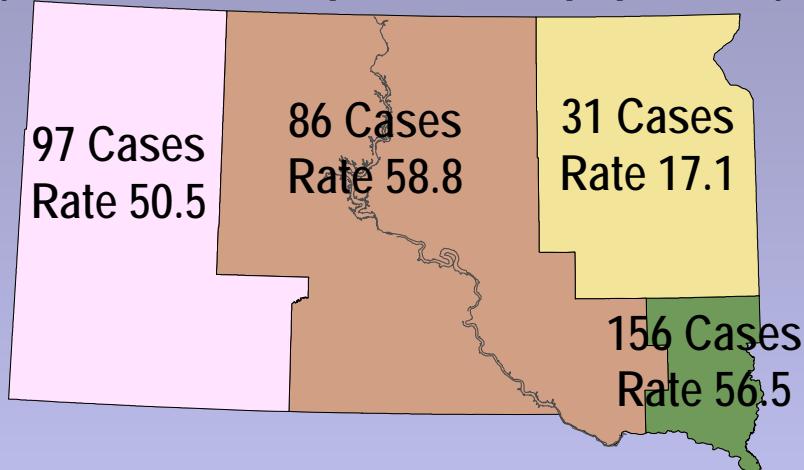


1 January – 30 December 2008

Provisional data

Gonorrhea, South Dakota

Gonorrhea
South Dakota 370 Cases
(Rate 46.5 cases per 100,000 population)



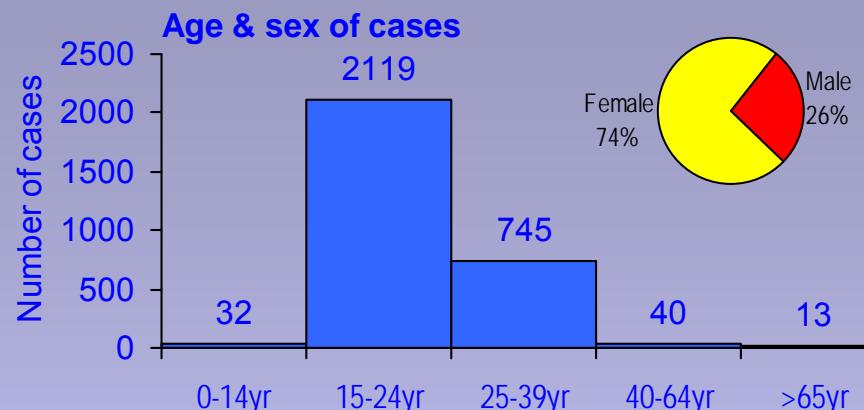
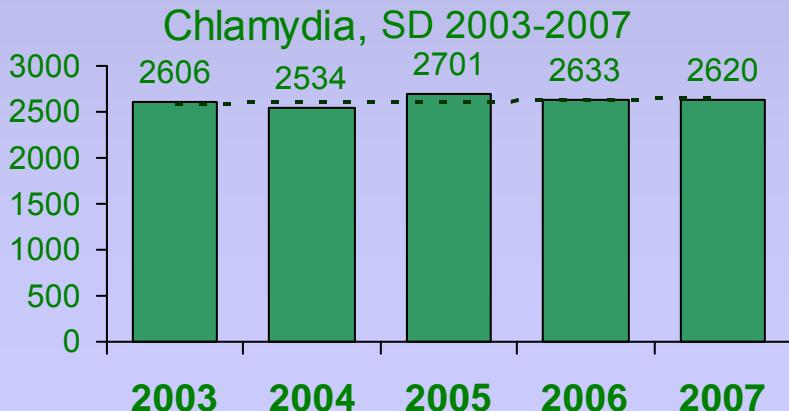
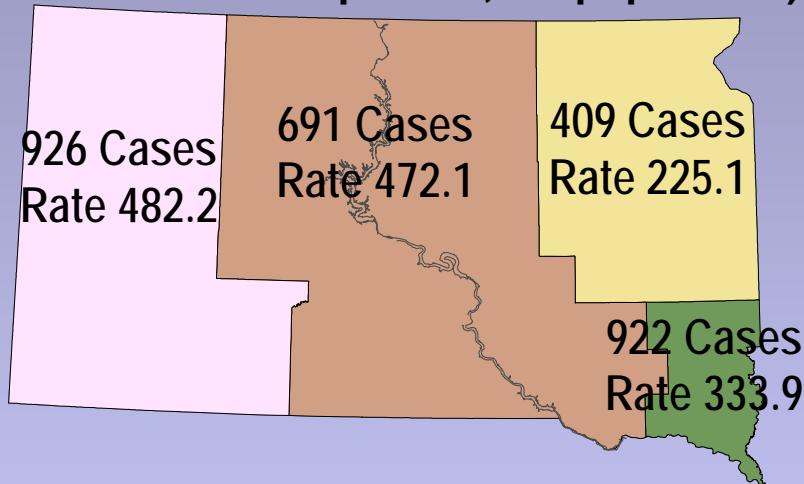
Gonorrhea fact sheet: <http://doh.sd.gov/diseasefacts>

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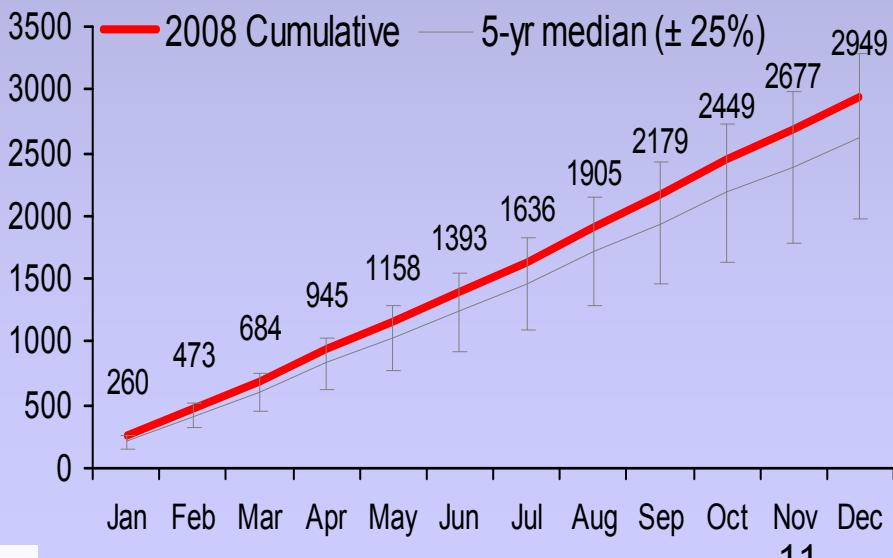
Provisional data

Chlamydia, South Dakota

Chlamydia
South Dakota 2,948 Cases
(Rate 370.3 cases per 100,000 population)



Cases by month, 2008 and 5-year median



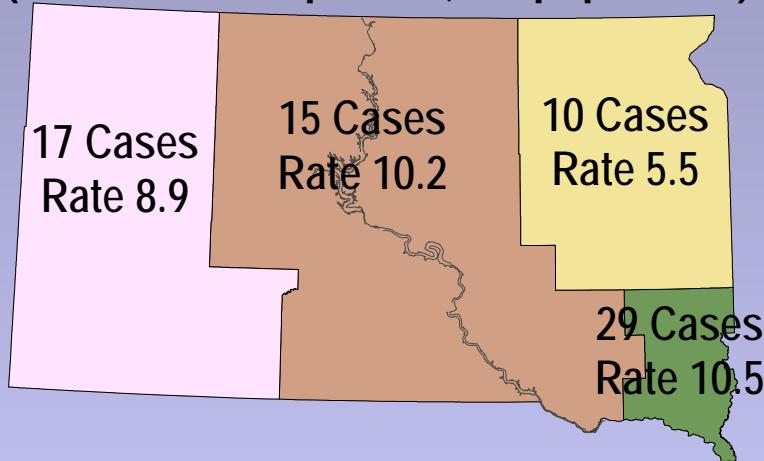
1 January – 30 December 2008

Provisional data

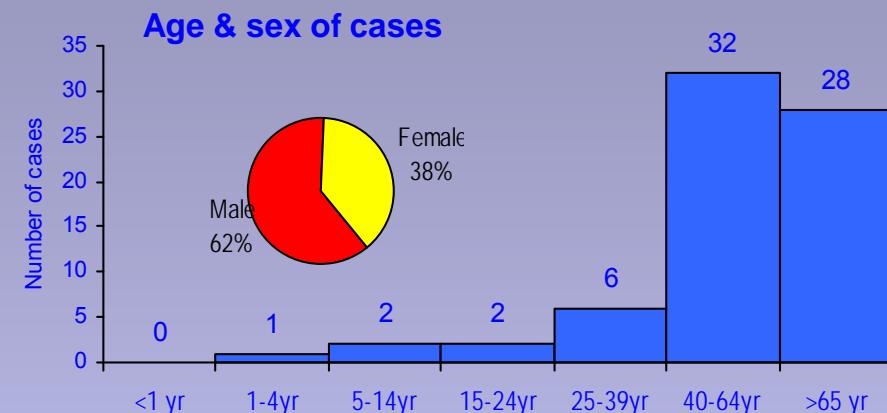
Invasive MRSA, South Dakota

(Invasive Methicillin-Resistant *Staphylococcus aureus*)

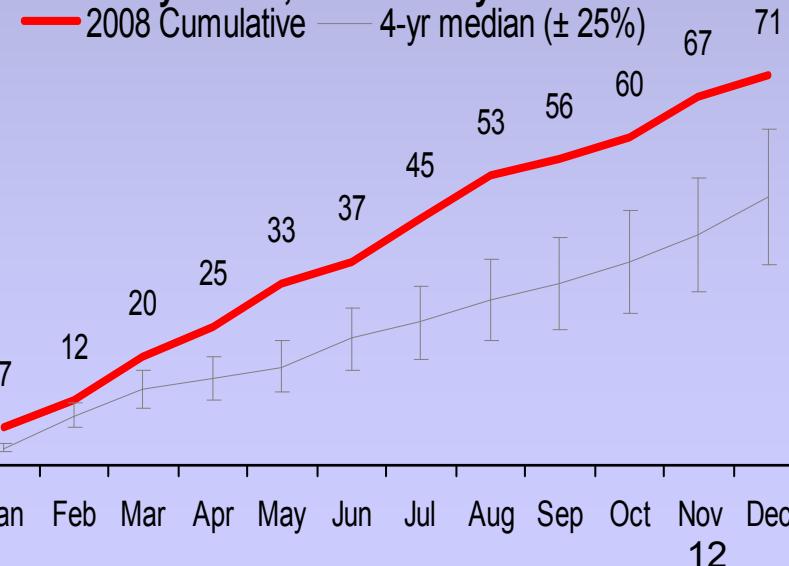
MRSA, Invasive
South Dakota 71 Cases
(Rate 8.9 cases per 100,000 population)



Invasive MRSA, SD 2004-2007



Cases by month, 2008 and 4-year median

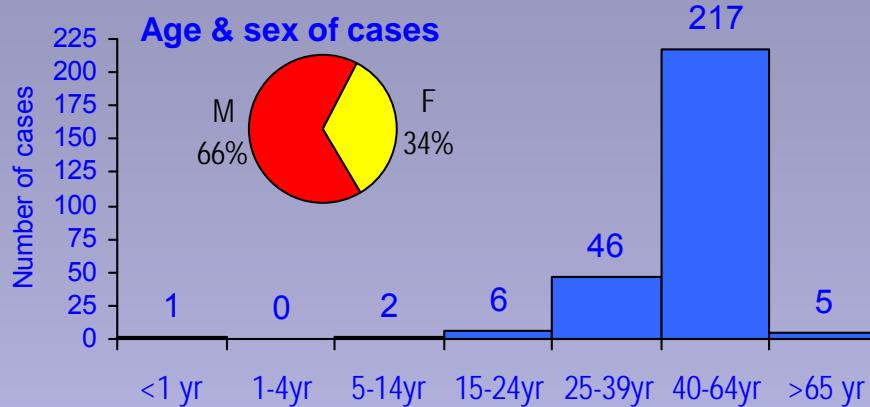
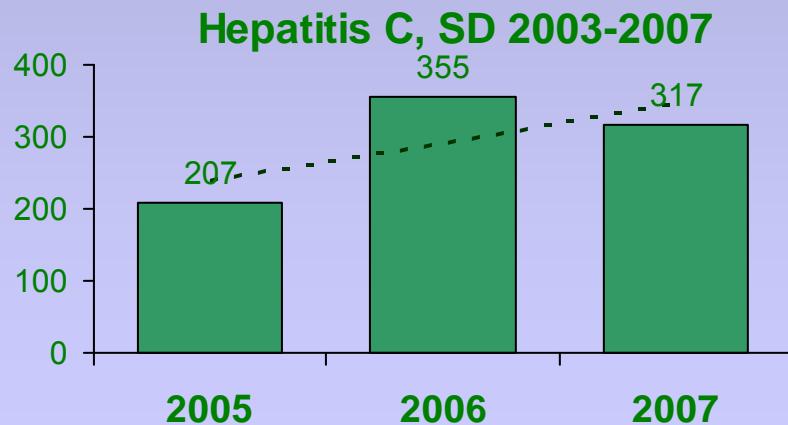
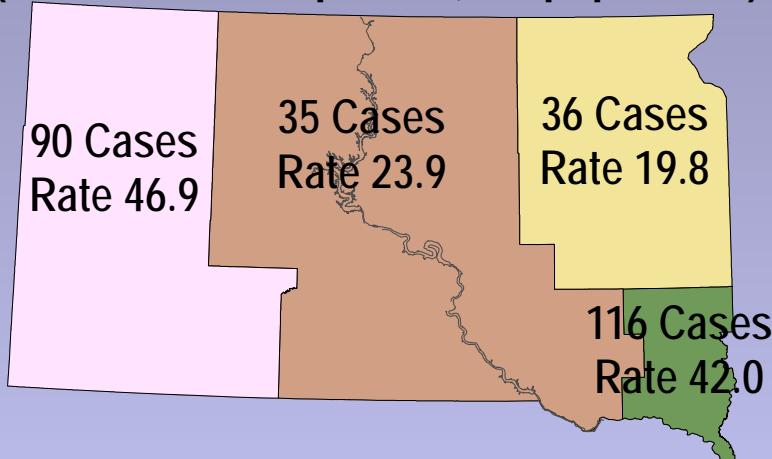


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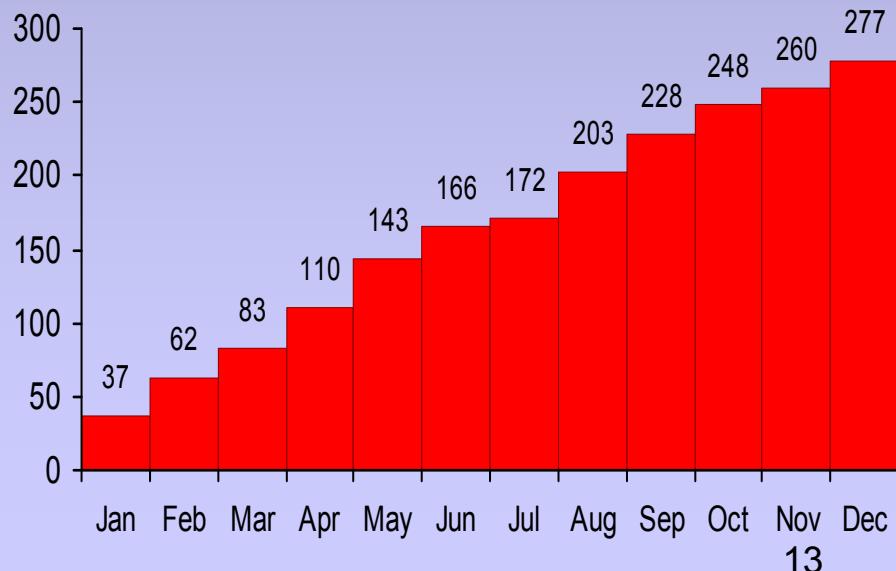
Provisional data

Hepatitis C (chronic), South Dakota

Hepatitis C
South Dakota 277 Cases
(Rate 34.8 cases per 100,000 population)



Cases by month, 2008 cumulative



Hepatitis C fact sheet:

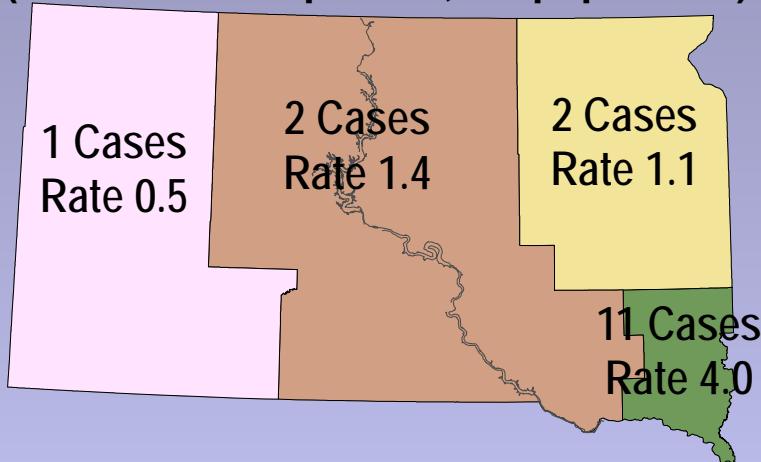
<http://doh.sd.gov/diseasefacts/HepatitisC.aspx>

1 January – 30 December 2008

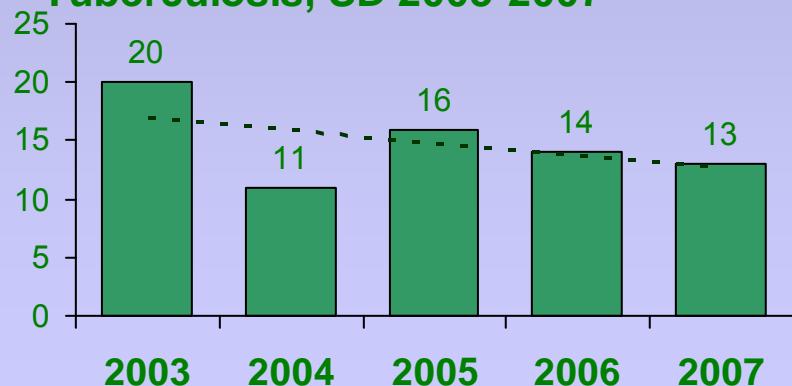
Provisional data

Tuberculosis, South Dakota

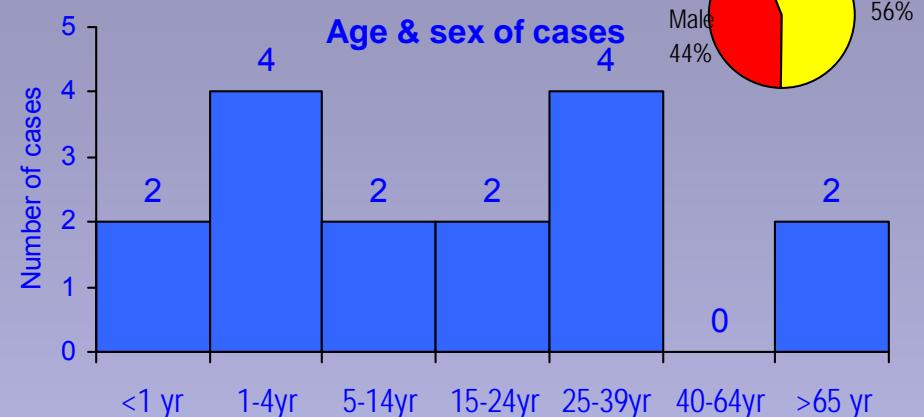
Tuberculosis
South Dakota 16 Cases
(Rate 2.0 cases per 100,000 population)



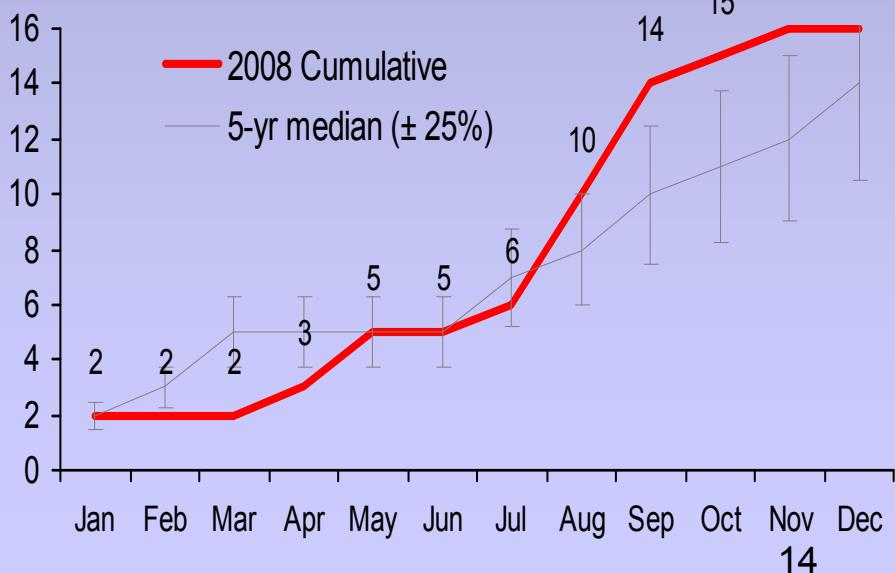
Tuberculosis, SD 2003-2007



Tuberculosis control info: <http://doh.sd.gov/TB>



Cases by month, 2008 and 5-year median

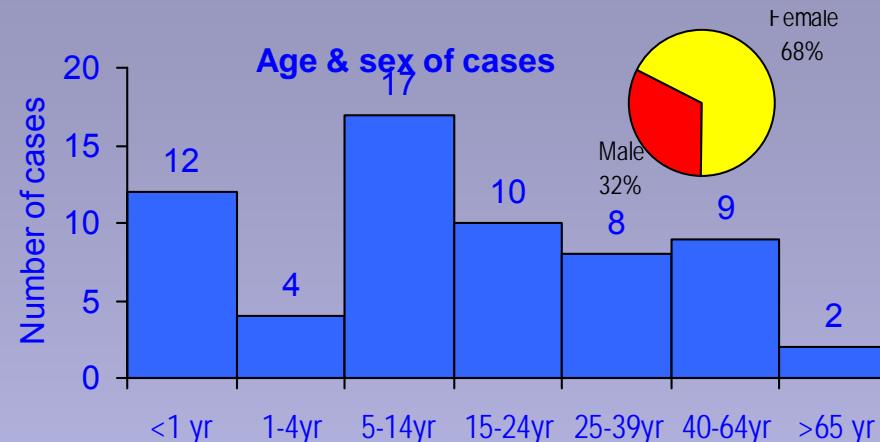
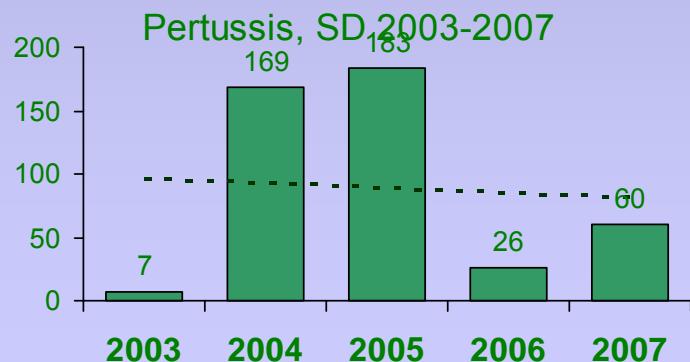
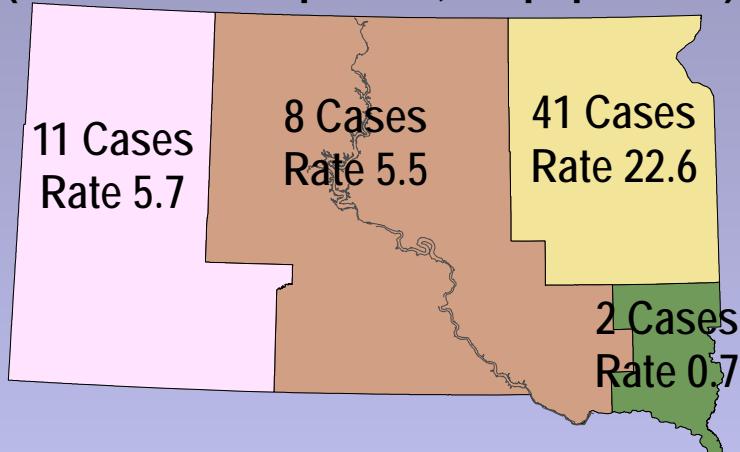


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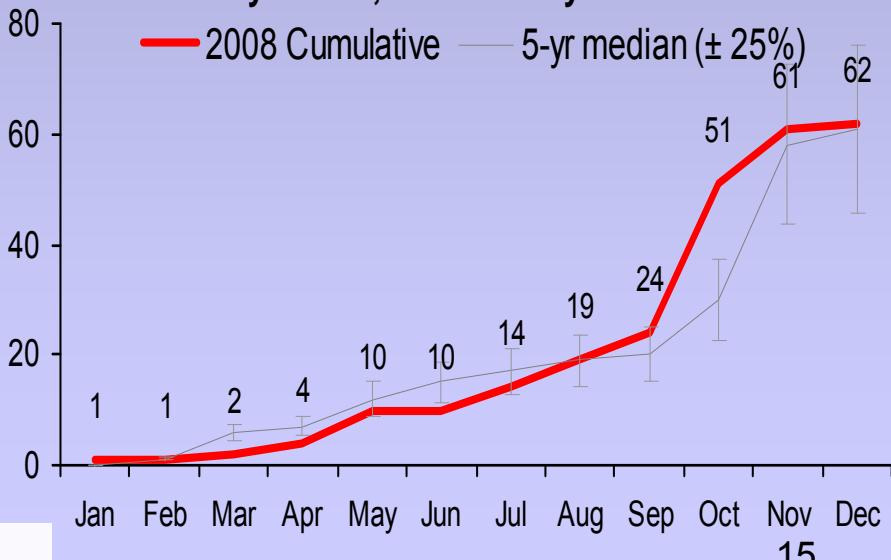
Provisional data

Pertussis, South Dakota, 2008

Pertussis
South Dakota 62 Cases
(Rate 7.8 cases per 100,000 population)



Cases by month, 2008 and 5-year median

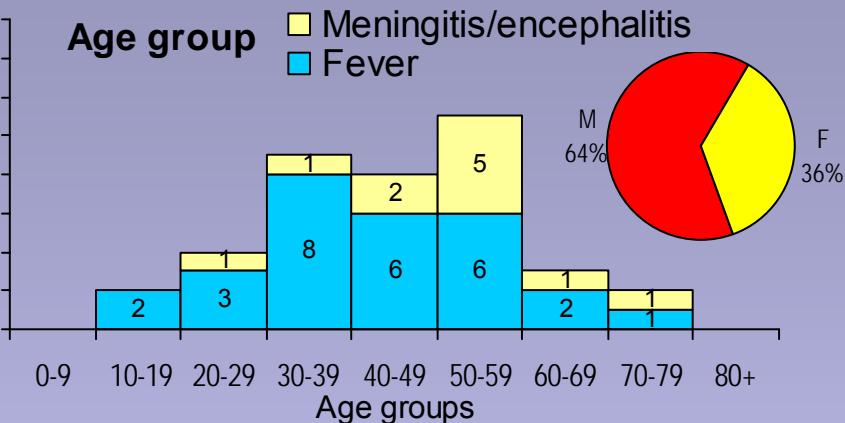
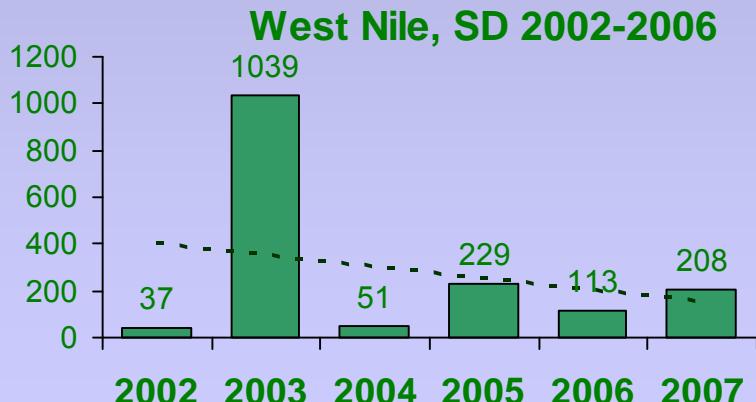
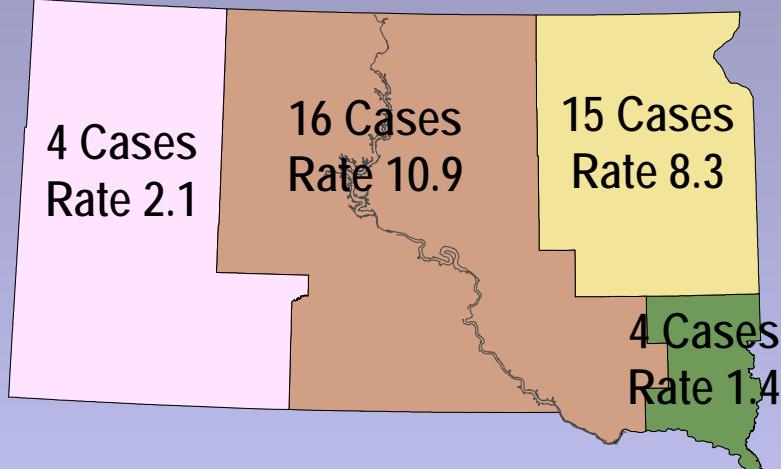


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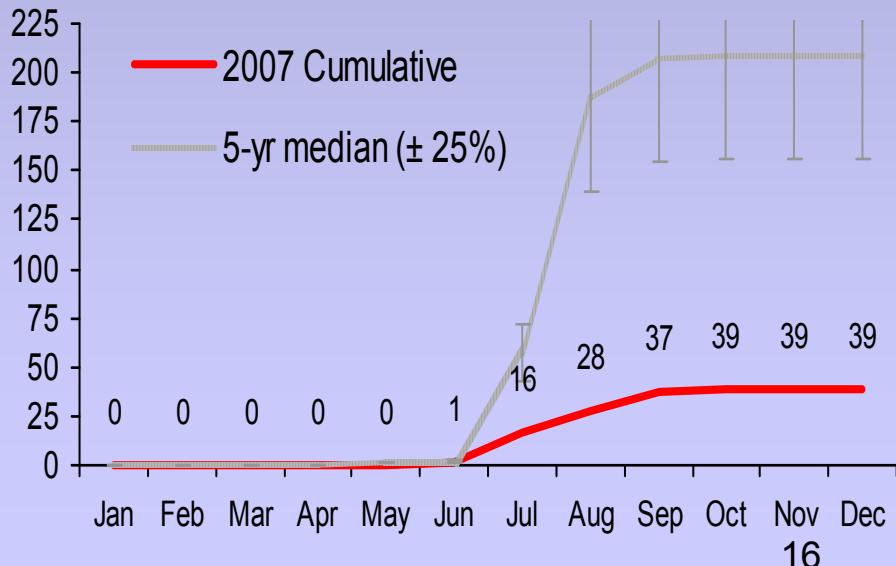
Provisional data

West Nile disease, South Dakota

West Nile
South Dakota 39 Cases
(Rate 4.9 cases per 100,000 population)



Cases by month, 2007 and 5-year median



West Nile information: <http://westnile.sd.gov>

1 January – 30 December 2008

Provisional data

Rabies, South Dakota

County: rabid animals 24

Brookings: skunk 1 Brown: skunk 1

Clark: horse 2, skunk 1 Day: bovine 1, skunk 1

Edmunds: skunk 2 Grant: skunk 1

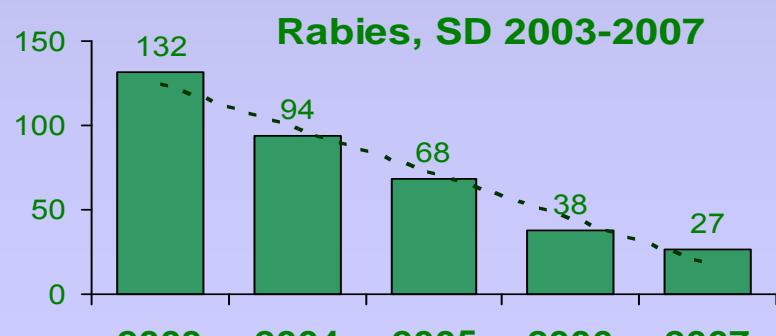
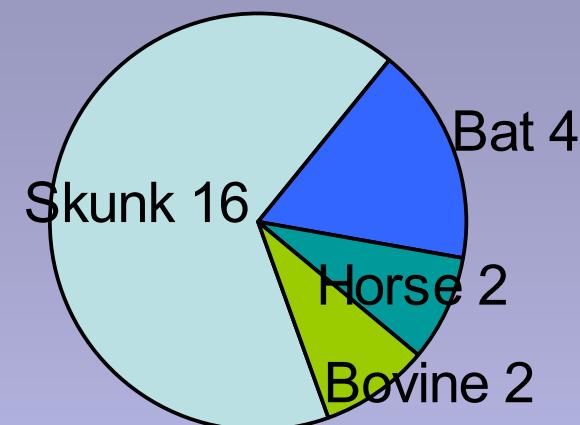
Gregory: skunk 2 Hamlin: skunk 2

Hutchinson: bat 1 Lake: skunk 1

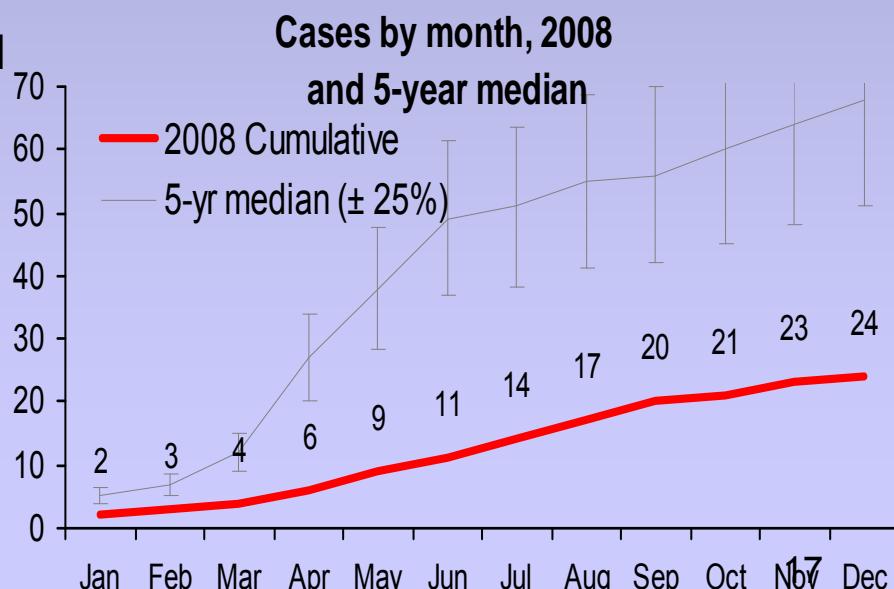
Marshall: skunk 1 McCook: skunk 2

Minnehaha: bovine 1, bat 2

Meade: skunk 1 Pennington: bat 1



Rabies fact sheet: <http://doh.sd.gov/DiseaseFacts/Rabies.aspx>



Other diseases, South Dakota, Year-to-date 2008

Disease	Total cases YTD	5-yr median	Central	Northeast	Southeast	West
Anaplasmosis	1	-	-	-	-	-
Chicken pox	25	94	3	5	5	12
Cyclospora	1	0	0	1	0	0
Hanson's disease	1	-	0	1	0	-
Hepatitis A	3	3	0	2	1	0
Hepatitis B, chronic	22	-	2	2	13	5
Hepatitis E	1	0	-	-	-	-
Legionnaires'	3	4	0	0	0	3
Lyme disease	3	1	1	2	0	0
Meningococcal, invasive	3	3	0	1	1	1
Mumps	1	-	0	0	1	0
Q Fever	1	0	1	0	0	0
Rocky Mt Spotted Fever	3	5	1	0	0	2
Staph toxic shock	1	-	1	0	0	0
Strep A, invasive	23	21	9	3	5	6
Strep B, invasive	22	15	6	4	8	4
Strep pneumo, invasive, <5 yrs	11	8	2	0	7	2
Strep pneumo, drug resistant	7	4	2	1	2	2
Syphilis, early	4	2	0	0	2	2
Tularemia	10	5	7	0	0	3
Typhoid fever	2	0	0	0	2	0

1 January – 30 December 2008

Provisional data

South Dakota, 1997-2008*

Reportable Diseases	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008*
Campylobacteriosis	108	103	140	141	160	198	188	273	244	219	235	258
Chlamydia	1439	1573	1554	1835	1821	2215	2606	2534	2701	2633	2620	2949
Cryptosporidiosis	23	25	7	15	8	42	49	44	31	86	169	85
<i>E. coli</i> , shiga toxin-producing	29	37	47	56	44	41	29	33	29	50	47	51
Giardiasis	127	181	143	108	106	83	89	87	118	97	104	130
Gonorrhea	172	221	192	277	289	263	226	304	351	367	261	371
Hantavirus pulmno syndrome	0	0	0	1	0	0	1	1	2	2	1	0
Hepatitis A	27	40	10	3	3	3	0	4	1	9	6	3
HIV and AIDS	22	16	24	20	22	19	25	19	33	34	25	34
Legionellosis	4	7	6	2	3	4	2	5	21	5	4	3
Meningococcal disease	6	9	11	6	5	2	1	4	4	4	3	3
MRSA, invasive	NR	36	47	50	88	71						
Mumps	0	0	0	0	0	0	0	0	0	296	6	1
Pertussis	5	8	8	11	5	8	7	169	183	26	60	62
Rabies, animal	94	166	180	96	58	96	132	94	68	38	27	25
Salmonellosis	90	132	100	100	151	121	131	156	160	135	174	151
Shigellosis	31	33	18	8	716	157	17	13	131	389	122	76
Tuberculosis	19	23	21	16	13	13	20	11	16	14	13	16
Tularemia	4	3	7	13	7	3	5	4	8	5	7	10
West Nile neuroinvasive	-	-	-	-	-	14	170	6	35	38	48	11
West Nile fever	-	-	-	-	-	23	869	45	194	75	160	28 19

*2008 data provisional

South Dakota Department of Health infectious disease: 1-800-592-1861

Reportable Diseases List:

<http://doh.sd.gov/Disease/Report.aspx>

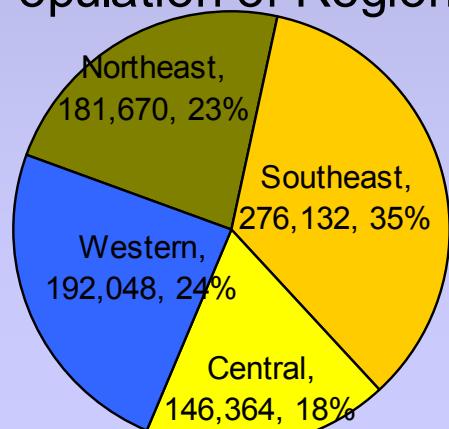


To report infectious diseases

- Secure website: www.state.sd.us/doh/diseasereport
- Telephone: **1-800-592-1804** confidential recorder; or **1-800-592-1861** or **605-773-3737** for a disease surveillance person during normal business hours; after hours to report Category I diseases or other emergencies, call **605-280-4810**.
- Fax: **605-773-5509**
- Mail or courier, address to: Infectious Disease Surveillance, Office of Disease Prevention, Department of Health, 615 East 4th Street, Pierre, SD 57501; marked "Confidential Disease Report"

Case definitions: www.cdc.gov/ncphi/disss/nndss/phs/infdis2008.htm

Population of Regions



South Dakota 2007 population est: 796,214

Monthly surveillance reports
<http://doh.sd.gov/ID/site.aspx>